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14. (New) The method according to claim 13, wherein the activity of the enzyme involved in purine nucleoside biosynthesis in the cells of the microorganism is increased because of an increase of an expression amount of a gene for an enzyme involved in purine nucleoside biosynthesis.

15. (New) The method according to claim 13, wherein the activity of the enzyme involved in purine nucleoside biosynthesis in the cells of the microorganism is increased because of deregulation of control of an enzyme involved in purine nucleoside biosynthesis.

16. (New) The method according to claim 15, wherein the control of the enzyme involved in the purine nucleoside biosynthesis is desensitized by desensitization of feedback inhibition.

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17. (New) The method according to claim 14, wherein the enzyme involved in the purine nucleoside biosynthesis is phosphoribosyl pyrophosphate amidotransferase.

18. (New) The method according to claim 15, wherein the enzyme involved in the purine nucleoside biosynthesis is phosphoribosyl pyrophosphate amidotransferase.

19. (New) The method according to claim 16, wherein the enzyme involved in the purine nucleoside biosynthesis is phosphoribosyl pyrophosphate amidotransferase.

20. (New) The method according to claim 14, wherein the enzyme involved in the purine nucleoside biosynthesis is phosphoribosyl pyrophosphate synthetase.

21. (New) The method according to claim 15, wherein the enzyme involved in the purine nucleoside biosynthesis is phosphoribosyl pyrophosphate synthetase.

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22. (New) The method according to claim 15, wherein the control of the enzyme involved in the purine nucleoside biosynthesis is derepressed by inactivation of a purine repressor.

23. (New) The method according to claim 13, wherein a reaction branching from purine nucleoside biosynthesis and leading to another metabolite is blocked in the cells of the microorganism.

24. (New) The method according to claim 23, wherein the reaction branching from the purine nucleoside biosynthesis and leading to another metabolite is a reaction catalyzed by an enzyme selected from the group consisting of succinyl-adenosine monophosphate synthase, purine nucleoside phosphorylase, adenosine deaminase, inosine-guanosine kinase, guanosine monophosphate reductase, 6-phosphogluconate dehydratase, phosphoglucose isomerase, adenine deaminase, and xanthosine phosphorylase.

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25. (New) The method according to claim 13, wherein the purine nucleoside-producing ability is enhanced by weakening the incorporation of a purine nucleoside into cells of the microorganism.

26. (New) The method according to claim 25, wherein the incorporation of the purine nucleoside into cells of the microorganism is weakened by blockage of a reaction involved in the incorporation of the purine nucleoside into cells of the microorganism, and the reaction involved in the incorporation of the purine nucleoside into cells of the microorganism is a reaction catalyzed by nucleoside permease.